



SEQUENCE LISTING

RECEIVED
APR 05 2002
#4

TECH CENTER 1600/2900

<110> FEARON, Karen L.
DINA, Dino

<120> IMMUNOMODULATORY POLYNUCLEOTIDES AND
METHODS OF USING THE SAME

<130> 377882001800

<140> 10/033,243

<141> 2001-12-27

<150> 60/258,675

<151> 2000-12-27

<160> 133

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 1

tcgtcgaacg ttctttaacg ttctg

24

<210> 2

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 2

tgactgtcaa cgutcgagat ga

22

<210> 3

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 3
tcgtcgaucg utcgttaacg utcg 24

<210> 4
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 4
tcgtcgaucg ttcgtuaacg utcg 24

<210> 5
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 5
tcgtcguacg utcgttaacg utcg 24

<210> 6
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 8
<223> n = 2-amino-adenine

<400> 6
tcgtcgancg utcgttaacg utcg 24

<210> 7
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 7
tgatcgaacg ttcgttaacg ttcg 24

<210> 8

<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 8
tgactgtgaa cgutcggtat ga 22

<210> 9
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 9
tgactgtgac cgttcggtat ga 22

<210> 10
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 10
tgactgtgat cggtcggtat ga 22

<210> 11
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 11
tcgtcgaacg ttgcgtt 16

<210> 12
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 12

tcgtcgtgaa cgttcgagat ga

22

<210> 13
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 13
tcgtcggtat cggtcggtat ga

22

<210> 14
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 14
cttcgaacgt tcgagatg

18

<210> 15
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 15
ctgtgatcgt tcgagatg

18

<210> 16
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 16
tgactgtgaa cggtcggtat ga

22

<210> 17
<211> 22
<212> DNA
<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 17

tgcgtcggtac cgttcggtat ga

22

<210> 18

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 18

tgcgtcggAAC cgttcggaAT ga

22

<210> 19

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 19

tgcgtcgaACG ttCGAGATG

19

<210> 20

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 20

tgcgtcgtaAC gttCGAGATG

20

<210> 21

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 21

tGACTGTGAC cgTTCGGAAT ga

22

<210> 22

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 22

tctgtcgaaacg ttcgaacgtt cg

22

<210> 23

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<221> misc_feature

<222> 2, 5

<223> n = 5-bromocytocine

<400> 23

tngtngaacg ttcgagatg

19

<210> 24

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<221> misc_feature

<222> 5

<223> n = 5-bromocytosine

<400> 24

tctgtngaacg ttcgagatg

19

<210> 25

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 25

tctgtcgaccg ttcggaatga

20

<210> 26

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<221> misc_feature

<222> 2, 5

<223> n = 5-bromocytosine

<400> 26

tngtngaccg ttcggaatga

20

<210> 27

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<221> misc_feature

<222> 5

<223> n = 5-bromocytosine

<400> 27

tcgtngaccg ttcggaatga

20

<210> 28

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<400> 28

ttcgaacgtt cgttaacgtt cg

22

<210> 29

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<221> misc_feature

<222> 4

<223> n = 5-bromocytosine

<400> 29

cttngaacgt tcgagatg

18

<210> 30
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 30
tgatcgtcga acgttcgaga tg 22

<210> 31
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 11
<223> n = 5-bromocytosine

<400> 31
tgactgtgaa ngutcgagat ga 22

<210> 32
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 9, 19
<223> n = 5-bromocytosine

<400> 32
tcgtcgaang ttctttaang ttctg 24

<210> 33
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 11

<223> n = 5-bromocytosine

<400> 33

tgactgtgaa ngutcggtat ga

22

<210> 34

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<221> misc_feature

<222> 11

<223> n = 5-bromocytosine

<400> 34

tgactgtgaa ngutcggaat ga

22

<210> 35

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<221> misc_feature

<222> 11

<223> n = 5-bromocytosine

<400> 35

tcgtcgaaa ngutcggaat ga

22

<210> 36

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<221> misc_feature

<222> 5, 9

<223> n = 5-bromocytosine

<400> 36

tcgtngaang utcggaatga

20

<210> 37

<211> 22

<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 11
<223> n = 5-bromocytosine

<400> 37

tgactgtgaa ngttcgagat ga 22

<210> 38
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 11, 15
<223> n = 5-bromocytosine

<400> 38
tgactgtgaa ngttngagat ga

22

<210> 39
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 11
<223> n = 5-bromocytosine

<400> 39
tgactgtgaa ngttccagat ga

22

<210> 40
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 40

tgactgtgaa cgtucgagat ga

22

<210> 41
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 13
<223> n = 5-bromouracil

<400> 41
tgactgtgaa cgntcgagat ga

22

<210> 42
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 11
<223> n = 5-bromocytosine

<400> 42
tgactgtgaa ngttcgtuat ga

22

<210> 43
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 11
<223> n = 5-bromocytosine

<400> 43
tgactgtgaa ngttcggtat ga

22

<210> 44
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 44
ctgtgaacgt tcgagatg

18

<210> 45
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 2, 5
<223> n = 5-bromocytosine

<400> 45
tngtngtcaa cgttcgagat ga

22

<210> 46
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 46
tcgtngtcaa cgttcgagat ga

22

<210> 47
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 13
<223> n = 4-thio-thymine

<400> 47
tgactgtcaa cgntcgagat ga

22

<210> 48
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing C(6-thio-guanine)

<221> misc_feature
<222> 12, 16
<223> n = 6-thio-guanine

<400> 48
tgactgtgaa cnttcnagat ga

22

<210> 49
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 49
tgactgtgaa cgttcgtuat ga

22

<210> 50
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 50
tgactgtgaa cgttcggtat ga

22

<210> 51
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 51
tcgttcaacg ttcgttaacg ttcg

24

<210> 52
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 52
tgattcaacg ttcgttaacg ttcg

24

<210> 53
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 53
ctgtcaacgt tcgagatg

18

<210> 54
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 2, 5
<223> n = 5-bromocytosine

<400> 54
tnctncaccg ttcg

14

<210> 55
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 55
tcgtcgaaac gttcgagatg

20

<210> 56
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 56
tcgtcggacg ttcgagatg

19

<210> 57
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 57
tcgtcgtacg ttcgagatg

19

<210> 58
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 58
tcgtcgttcg ttcgagatg

19

<210> 59
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 59
tgactgtgaa cgttcgagat ga

22

<210> 60
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide not containing CG

<400> 60
tgactgtgaa ccttagagat ga

22

<210> 61
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide not containing CG

<400> 61
tgactgtgaa ggttagagat ga

22

<210> 62
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 1
<223> n= t, g, c, or 5-bromocytosine

<221> misc_feature
<222> 4
<223> n= t or m

<400> 62
ndancgktcg

10

<210> 63
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 63
tgaacgttcg

10

<210> 64
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 64
ggaacgttcg

10

<210> 65
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocystosine)G

<221> misc_feature
<222> 1
<223> n = t, g, c or 5-bromocytosine

<221> misc_feature
<222> 4
<223> n = t or m

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 65
ndanngktcg

10

<210> 66
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 66
tgaangttcg

10

<210> 67
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 67
tgaacgutcg

10

<210> 68
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 68
tgaccgttcg 10

<210> 69
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 69
tgatcggtcg 10

<210> 70
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 70
tgatcggtcg 10

<210> 71
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 71
tgaacgggtcg 10

<210> 72
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 72
gtaacgttcg 10

<210> 73
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 73
gtatcggtcg 10

<210> 74
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 74
gtaccgttcg 10

<210> 75
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 75
gaaccgttcg 10

<210> 76
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 1
<223> n = 5-bromocytosine

<400> 76
ngaccgttcg 10

<210> 77
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 77

cgaacgttcg 10
<210> 78
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 78
cgaccgttcg 10
<210> 79
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 1
<223> n = 5-bromocytosine

<400> 79
ngaacgttcg 10
<210> 80
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 80
ttaacgutcg 10
<210> 81
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 81
tuaacgutcg 10
<210> 82
<211> 10

<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 82
ttaacgttcg 10

<210> 83
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 83
tgaangutcg 10

<210> 84
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 84
tgacngttcg 10

<210> 85
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 85

tgatnggtcg 10
<210> 86
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 86
gtatnggtcg 10

<210> 87
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 87
gtacngttcg 10

<210> 88
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 88
gaacngttcg 10

<210> 89
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 89
gaaaangutcg 10

<210> 90
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 1, 5
<223> n = 5-bromocytosine

<400> 90
ngacngttcg 10

<210> 91
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 91
cgaangttcg 10

<210> 92
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 1, 5
<223> n = 5-bromocytosine

<400> 92
ngaangttcg 10

<210> 93
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 1, 5
<223> n = 5-bromocytosine

<400> 93
ngaangutcg 10

<210> 94
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 94
ttaangutcg 10

<210> 95
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 95
tuaangutcg 10

<210> 96
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 96
ttaangttcg 10

<210> 97
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 97
tcgcgaacgt tcg 13

<210> 98
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 98
tcgtcgaacg ttcg 14

<210> 99
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 2
<223> n = 5-bromocytosine

<400> 99
tngcgaacgt tcg 13

<210> 100
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 2, 5
<223> n = 5-bromocytosine

<400> 100
tngtngaacg ttcg 14

<210> 101
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 101
tcgttaaacgt tcg 13

<210> 102
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 102
tcgaacgttc g 11

<210> 103
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 103
tcgtgaacgt tcg 13

<210> 104
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 104
tcggtatcgg tcg 13

<210> 105
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 105
tcggtaccgt tcg 13

<210> 106
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 106
tcggaaccgt tcg 13

<210> 107
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 107
tcggaacgtt cg 12

<210> 108
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 108
tcgtcgAAC gttcg 15

<210> 109
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 109
tcgtaacgtt cg 12

<210> 110
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 110
tcgaccgttc g 11

<210> 111
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 111
tcgtcgaccg ttcg 14

<210> 112
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 2
<223> n = 5-bromocytosine

<400> 112
tnctgaacgt tcg 13

<210> 113
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature

<222> 2, 5
<223> n = 5-bromocytosine

<400> 113
tnctnctgaa cgttcg 16

<210> 114
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 2
<223> n = 5-bromocytosine

<400> 114
tncaacgttc g 11

<210> 115
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 2, 5
<223> n = 5-bromocytosine

<400> 115
tnctncaacg ttccg 14

<210> 116
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 2
<223> n = 5-bromocytosine

<400> 116
tngaccgttc g 11

<210> 117

<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 117
tcgtngtgaa cgttcg

<210> 118
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 118
tcgtngaacg ttcg

<210> 119
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<400> 119
tcgtngaccg ttcg

<210> 120
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

16

14

14

<221> misc_feature
<222> 8
<223> n = 5-bromocytosine

<400> 120
tcggaaangt tcg 13

<210> 121
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 6
<223> n = 5-bromocytosine

<400> 121
tcgaangttc g 11

<210> 122
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 2, 6
<223> n = 5-bromocytosine

<400> 122
tnngaangutc g 11

<210> 123
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 2, 6
<223> n = 5-bromocytosine

<400> 123
tnngaangttc g 11

<210> 124
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5, 9
<223> n = 5-bromocytosine

<400> 124
tcgtngaang utcg

<210> 125
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5, 9
<223> n = 5-bromocytosine

<400> 125
tcgtngaang ttcg

<210> 126
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> (4)...(6)
<223> tcg may or may not be present

<221> misc_feature
<222> (7)...(8)
<223> n= any base

<221> misc_feature
<222> 7
<223> n may or may not be present

<221> misc_feature
<222> 8

14

14

<223> n may or may not be present

<221> misc_feature

<222> 10

<223> n = t or m

<400> 126

tgcgtgnnan cgktcg

16

<210> 127

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

<221> misc_feature

<222> 2, 5

<223> n = 5-bromocytosine

<221> misc_feature

<222> (7)...(8)

<223> n = any base

<221> misc_feature

<222> 7

<223> n may or may not be present

<221> misc_feature

<222> 8

<223> n may or may not be present

<221> misc_feature

<222> 10

<223> n = t or m

<221> misc_feature

<222> (4)...(6)

<223> tng may or may not be present

<400> 127

tngtngnnan cgktcg

16

<210> 128

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Polynucleotide containing CG

```
<221> misc_feature
<222> 5
<223> n = 5-bromocytosine

<221> misc_feature
<222> (7)...(8)
<223> n = any base

<221> misc_feature
<222> 7
<223> n may or may not be present

<221> misc_feature
<222> 8
<223> n may or may not be present

<221> misc_feature
<222> 10
<223> n = t or m

<400> 128
tcgtngnnan cgktcg

<210> 129
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> (7)...(8)
<223> n = any base

<221> misc_feature
<222> 7
<223> n may or may not be present

<221> misc_feature
<222> 8
<223> n may or may not be present

<221> misc_feature
<222> 10
<223> n = t or m

<221> misc_feature
<222> 11
<223> n = 5-bromocytosine

<221> misc_feature
```

<222> (4) ... (6)
<223> tcg may or may not be present

<400> 129
tcgtcgnnan ngktcg

<210> 130
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> (4) ... (6)
<223> tng may or may not be present

<221> misc_feature
<222> 2, 5, 11
<223> n = 5-bromocytosine

<221> misc_feature
<222> 10
<223> n = t or m

<221> misc_feature
<222> 7
<223> n may or may not be present

<221> misc_feature
<222> 8
<223> n may or may not be present

<221> misc_feature
<222> (7) ... (8)
<223> n = any base

<400> 130
tngtngnnan ngktcg

<210> 131
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing (5-bromocytosine)G

<221> misc_feature
<222> 5, 11
<223> n = 5-bromocytosine

16

<221> misc_feature
<222> (7)...(8)
<223> n = any base

<221> misc_feature
<222> 7
<223> n may or may not be present

<221> misc_feature
<222> 8
<223> n may or may not be present

<221> misc_feature
<222> 10
<223> n = t or m

<400> 131
tcgtngnnan ngktcg

16

<210> 132
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<400> 132
tcgtcgaacg ttcgagatga t

21

<210> 133
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Polynucleotide containing CG

<221> misc_feature
<222> 1
<223> n= t, c, or 5-bromocytosine

<221> misc_feature
<222> 4
<223> n= t or m

<400> 133
ndancgkctcg

10